

Attorney Docket No.: 3556.224-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Uffe Loevborg

Serial No.: 09/056,343

Filed: April 7, 1998

Confirmation No: 5207

For: Proteins with Changed Epitopes and Methods for the Production Thereof

AMENDMENT FEE TRANSMITTAL

Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith is an Amendment for the above-identified application in response to the Office Action mailed **August 22, 2000**.

It is respectfully requested that the time for response to the Office Action dated **August 22, 2000** be extended for a period of 3 months from **November 22, 2000** to **February 22, 2001**. The required fee for the extension is estimated to be **\$890.00**.

No additional claims fee is required. Please charge the required extension estimated to be **\$890.00**, to Novozymes North America, Inc., Deposit Account No. 50-1701. A duplicate of this sheet is enclosed.

Respectfully submitted,


Elias J. Lambiris, Reg. No. 33,728
Novozymes North America, Inc.
405 Lexington Avenue, Suite 6400
New York, NY 10174-6401
(212) 867-0123

Date: February 22, 2000

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Uffe Loevborg

Serial No.: 09/056,343

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For: Proteins with Changed Epitopes and Methods for the Production Thereof

CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

Commissioner for Patents
Washington, DC 20231

Sir:

I hereby certify that the attached correspondence comprising:

1. Amendment Fee Transmittal (in duplicate)
2. Amendment

is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents
Washington, DC 20231

on February 22, 2001.

Seleste A. Buriani
(name of person mailing paper)

Seleste A. Buriani
(signature of person mailing paper)

GP/1652/8



PATENT
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MAR 05 2001
Group Art Unit: 1652

Examiner: W. Moore

Attorney Docket No.: 3556.224-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Uffe Loevborg

Application No.: 09/056,343

Group Art Unit: 1652

Filed: April 7, 1998

Examiner: W. Moore

Confirmation No: 5207

For: Proteins with Changed Epitopes and Methods for the Production Thereof

AMENDMENT UNDER 37 C.F.R. 1.111

Commissioner for Patents
Washington, DC 20231

Sir:

In response to the Office Action mailed August 22, 2000, please amend the above-captioned application as follows:

IN THE CLAIMS:

Please cancel claims 24-39 without prejudice or disclaimer. Please add new claims 40-

47:

40. A method of producing a protein variant, comprising

- (a) mapping one or more epitopes of the parent protein having a known amino acid sequence, using immunological and proteochemical methods on the complete parent protein,
- (b) modifying one or more epitopes of the parent peptide through mutation of a DNA molecule coding for the parent protein or synthesis of a DNA molecule coding for the protein variant, wherein the protein variant evokes a lower immunogenic response in an animal than the parent protein,
- (c) inserting the mutated or constructed DNA molecule into a vector for transformation or transfection into a suitable host
- (d) cultivating the host under conditions suitable for expressing the protein variant, and
- (e) recovering the protein variant.

